HGGELGHTS OF PRESCHINNG INFORMATION
There highlights do not include all the information needed to use MELOXICAM TABLETS safely and
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..... RECENT MAJOR CHANGES

RECENT MAJOR CHANGES

Mexed Warning (2016)

Indications and Usage, Invenile Rhemanoid Arthrisis (RIA) Procurricular and Polyarticular Course (1.3) 6/2016

Indications and Usage, Invenile Rhemanoid Arthrisis (RIA) Procurricular and Polyarticular Course (2.4) 6/2016

Warning and Prictardinics, Cardiovectular Thromboots Fevrins (2.1) 5/2016

Warning and Prictardinics, Cardiovectular Thromboots Fevrins (2.1) 5/2016

Warning and Prictardinics, Cardiovectular Thromboots Fevrins (2.1) 5/2016

Warning and Prictardinics, Cardiovectular Cardiovectular Course (2.4) 6/2016

Melonizam is a non-steroidal anti-inflammatory drug Indicated for

- DOMAGE AND AND MANISTATION

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 DOSAGE FORMS AND STRENGTHS

- CONTRAINBIGATIONS
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- In the senting of CARG surgery (a)

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- (a)

 Most common (25% and greater than placebol adverse events in adults are diarrhea, upper respiratory tract infections, dyspepsia, and influenza-like symptoms (6.1)

 Adverse events observed in pediatric studies were similar in nature to the adult clinical trial experience (6.1)

To report SUSPECTED ADVERSE REACTIONS, contact Cipla Limited, India at 1-866-604-3268 or FDA at 1-800-FDA-1088 or www.fda.gov/medwatch.

- In Fight State 2. In an Art Asia Asia Asia.

 BRIG INTERACTIONS.

 Draw the Interfers with Hemotatic (e.g., sqriften, paging S. SSHES/SSHE). Monitor patients for threeding who are concentrately allege neckscum with draw in therefore with hemotatics. Concentrate use of melocitors and concentrately allege neckscum and of the state o
- <u>Dirretics</u>: NSAIDs can reduce natriuretic effect of furosemide and thiazide diarectics. Monitor patients to assure dirrectic efficacy including anthypertensive effects (7)

- INSERING POPULATIONS

 Premance: Use of NSAIDs during the third trines size of preguancy increases the risk of premature closure of the fordients arterious, worked use of NSAIDs pregnate unear starting at 30 weeks gustation (1.0, it. 1).

 Interring: PSAIDs are associated with reversible inferritly. Consider withdrawal of melaxicam in somes who have difficulted somewhoring (3.1).

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FULL PRESCRIBING INFORMATION

WARNING: RISK OF SERIOUS CARDIOVASCULAR AND GASTROINTESTINAL EVENTS

Cardiovas cular Thrombolic Events

 Nons teroidal anti-inflammatory drugs (NSAIDs) cause an increased risk of serious
cardiovascular thrombotic events, including myocardial infarction and stroke, which can be
fatal. This risk may occur early in treatment and may increase with duration of use [see
Warnings and Precaudions (5.1)].

NSAID: one an increased risk of serious gas troitestinal (GI) adverse events including bleeding, uteration, and perforation of the stomach or intestines, which can be fatal. These events can occur any time during use and without warning symptoms. Electry patients and patients with a prior his tory of peptic uter disease and/or GI bleeding are at greater risk for serious Gevents few rewinings and Precursions (S.2).

Meloxicam is indicated for relief of the signs and symptoms of osteoarthritis [see Clinical Studies

(14.1)].

1.2 Rheuma

Meloxican is indicated for relief of the signs and symptoms of rheumatoid arthritis [see Clinical Studies (14.1)].

1.3 Juvenile Rheumatoid Arthritis (JRA) Pauciarticular and Polyarticular Cours

Meloxicam is indicated for relief of the signs and symptoms of pauciarticular or polyarticular course Juvenile Rheumatoid Arthritis in patients who weigh >60 kg [see Dosage and Administration (2.4) and Clinical Studies (14.2)].

2.1 General Dosing Instructions

Carefully consider the potential bearefits and risks of meloxicam and other treatment options before deciding to use meloxicam. Use the lowest effective dosage for the shortest duration consistent with individual patient rearmer goals [see Winnings and Precautions (6)]. After observing the response to initial therapy with meloxicam, adjust the dose to suit an individual patient seeds.

In adults, the maximum recommended daily oral dose of meloxicam is 15 mg regardless of formulation. In patients with hemodialysis, a maximum daily dosage of 7.5 mg is recommended [see Use in Specific Populations (8.7), and Clinical Pharmacology (12.3). Meloxicam may be taken without regard to timing of meals.

2.2 Osteoarthritis

For the relief of the signs and symptoms of osteoarthritis the recommended starting and maintenance oral dose of meloxicam is 7.5 mg once daily. Some patients may receive additional benefit by increasing the dose to 15 mg once daily.

2.3 Rheumatoid Arthritis

For the relief of the signs and symptoms of rheumatoid arthritis, the recommended starting and maintenance oral dose of meloxicamis 7.5 mg once daily. Some patients may receive additional benefit by increasing the dose to 15 mg once daily.

2.4 Juvenile Rheumatoid Arthritis (JRA) Pauciarticular and Polyarticular Course

2-3 Juvenile Retenuisson Architects (IAS) Particutation and Proparticular Course
for the retenament of juvenile the humshold and tristing, the recommended and also see of melosiciam is 7.5 mg once daily in children who weigh 260 kg. There was no additional benefit demonstrated by increasing the dose above 7.5 mg in Clinical trists.

Melosicam tables should not be used in children who weigh 260 kg.

2.5 Renal Impairment

The use of meloxicam in subjects with severe renal impairment is not recommended. In patients on hemodialysis, the maximum dosage of meloxicam is 7.5 mg per day [see Clinical Pharmacology (12.3)].

${\bf 2.6\ Non-Interchangeability\ with\ Other\ Formulations\ of\ Meloxicam}$

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3 DOSAGE FORMS AND STRENGTHS

- Meloxicam tablets, USP:
 7.5 mg: yellow coloured, round, biconvex, tablets, debossed with "158" on one side and "C" on the
- other.
 15 mg: yellow coloured, round, flat beveled tablets, debossed with "CIPLA" on one side and "159" on the other.

- 4 CONTRAINDICATIONS

 Melosicam is contrained ased in the following patients:

 Known hypersensitivity (e.g., anaphylactic reactions and serious skin reactions) to meloxicam or any components of the drug product; lew Wormings and Precautions (5.7, 5.9).

 History of asimus, urticaria, or other allergic-type reactions after taking aspirin or other NSAIDs. Seevers, cometimes taka, anaphylactic reactions to NSAIDs have been reported in such patients (see Wormings and Precautions (5.7, 5.8)).

 In the setting of coronary area; physics graft (CABG) surgery (see Wormings and Precautions (5.1)).

5 WARNINGS AND PRECAUTIONS

5.1 Cardiovas cular Thrombotic Events

5.1. Cardiovascular Thrombotic Events
Clinical tais of several (CoX-2 selective and nonselective NSAIDs of up to three years duration have shown an increased risk of serious cardiovascular (CV) thrombotic events, including myocardial infarction (Mi) and stoke, which can be fatal. Based on available data, it is uncertain that their isk for CV thrombotic events is similar for all NSAIDs. The relative increase in serious CV thrombotic events over baseline conferred by NSAID use appears to be similar in those with and without lawow CV disease or risk factors had a Some observational studies found that is, increased risk of serious CV thrombotic wisk been observed most consistently at higher doses.

To minimize the poportial risk for an adverse CV event in NSAID-treated patients, use the lowest effective done for the shortest duration possible. Physicians and patients should remain alert for the development of such event, thoughout the entire treatment course, even in the absence of previous CV symptoms. Patients should be informed about the symptoms of serious CV everts and the steps to take if they occur.

There is no consistent evidence that concurrent use of aspiring asts the increased risk of serious CV thrombotic events associated with NSAID use. The concurrent use of aspirin and an NSAID, such as meloxicam, increases the risk of serious gastrointestinal CI events [see Wornings and Precountions (6.2)].

Status Post Coronary Artery Bypass Graft (CABG) Surgery

Two large, controlled clinical trails of a COX-2 selective NSAID for the treatment of pain in the first 10-14 days following, CABG surgery found an increased incidence of myocardial infarction and stroke NSAIDs are contraindicated in the setting of CABG (see Contradications (4)).

Post-M Patterns

Observational studies conducted in the Danish National Registry have demonstrated that patients treated with NSAIDs in the post-Mil period were at increased risk of reinfarction, CV-related death, and all-case mortality beginning in the first tweek of treatment, In this same cohort, the incidence of death in the first year post-Mi was 20 per 100 person years in NSAID-treated patients compared to 12 per 100 person years in NSAID-treated patients compared to 12 per 100 person years in non-NSAID exceeds patients. Although the absolute rate of death declined somewhat after the first year post-Mi, the increased relative risk of death in NSAID users persisted over at least the next four years of follow-up.

Avoid the use of meloxicam in patients with a recent MI unless the benefits are expected to outweigh the risk of recurrent CV thrombotic events. If meloxicam is used in patients with a recent MI, monitor patients for signs of cardiac ischemia.

5.2 Gastrointestinal, Bleeding, Ulceration, and Perforation

5.2 Gastroinestinal, Bleeding, Ukeration, and Perforation
NSADD, including molocating, on consection gastroinestinal (GI) adverse events including inflammation, bleeding, aferention, and perforation of the esophagin, stometh, small intention, or large instante, which can be faul. These serious adverse events on core at any time, with or without warring symposms, in patients reased with NSAIDs. Only one in five patients who develop a serious upper Galardenes event on NSAID thereity is symposmic. [Upper Galardenes, goals beliefing, or and about 24–36 of patients recailed for one year. However, even short-term NSAID therapy is not without risk.

Patients with a prior history of peptic disease and/or of bleeding who used NSAIDs has a greater than 10-fold increased risk for developing a Glibleet compared to patients researed with NSAIDs include longer duration of NSAID herapy; conconstitut use of oral corticosteroids, aspirit, anticogalists, or selective mention requiate histories (SNAS), modern; use of alcoholy older age; and poor general Additionally, patients with advanced liver disease and/or cogulopathy are at increased risk of Clibbeeding.

- Lis de lowest effective design felle skin in NSAID neural nations.

 Lis de lowest effective design felle showns positive duration.

 Avoid administration of more than on NSAID as time.

 Avoid administration of more than on NSAID as time.

 Avoid use in pairmas at higher risk unless benefits are expected to outweigh the increased risk of bleeding. For such patients, as well as those with active CI bleeding, consider alternate therapies other than NSAID as the contractive of the contract
- other than NSADs. Remain after for signs and symptoms of G1 ulceration and bleeding during NSAID therapy.

 If a serious G1 adverse event is suspected, promptly initiate evaluation and rearmen, and discontinue meloxicamunial serious G1 adverse event is ruled out.

 In the setting of concominatuse of low-dose appirin for cardiac prophylaxis, monitor patiens more closely for evidence of G1 bleeding lose Drug Interactions (7)].

Evadions of ALT or AST (three or more times the upper limit of normal [ULN] have been reported in approximately 1% of NSAID-treated patients in clinical trials. In addition, rare, sometimes fatal, cases of severe hepatic injury, including fulminant hepatits, liver necrosis, and hepatic failure, have been resourted.

NSALIA incuming meroux-ant Inform patients of the warring signs and symptoms of hepatotoxicity (e.g., nussea, fatfgue, lethargy, diarrhea, prutius, jaundice, right upper quadrant tenderness, and "Ibi-like" symptoms). If clinical signs and symptoms consistent with liver disease develop, or if systemic manifestations occur (e.g., eosinophilia, rash, etc.), discordine melosic anni immediately, and perform a clinical evaluation of the patient [see Use 18 specife Population (6.9) and Clinical Phramacology (12.3)].

5.4 Hypertension

NSAIDs, including meloxicam, can lead to new onset or worsening of preexisting hypertension, either of which may contribute to the increased incidence of CV events. Patients taking angiotensin converting enzyme (ACE) inhibitors, thiazide diuretics, or loop diuretics may have impaired response to these therapies when taking NSAIDs [see Drug Interactions (7)].

Monitorblood pressure (BP) during the initiation of NSAID treatment and throughout the course of

5.5 Heart Failure and Edema

5.5 Heart Failure and Edema
The Coxula and radiousal NSAID Trialists' Collaboration meta-analysis of randomized controlled trials
demonstrated an approximately two-fold increase in hospitalizations for heart failure in COX-2
selective-neared patients and nonselective NSAID-reared aptients compared to placebo-reared patiens.
In a Danish National Registry study of patients with heart failure, NSAID use increased the risk of MI,
hospitalization for heart failure, and each sen observed and some patients retarted with NSAIDs. Use of meloxica many but the CV effects of several therapeutic agents used to treat these medical conditions (e.g., diuretics, ACE inhibitors, or angiotension receptor blockers [ARBs]) [see Drug Interactions (7)].

Avoid the use of meloxicam in patients with severe heart failure unless the benefits are expected to outweigh the risk of worsening heart failure. If meloxicam is used in patients with severe heart failure monitor natients for signs of worsening heart failure.

5.6 Renal Toxicity and Hyperkalemia

Renal Toxicity

Long-term administration of NSAIDs, including meloxicam, has resulted in renal papillary necrosis, renal insufficiency, acute renal failure, and other renal injury.

read itsufficiency, acute rend failure, and other rend injury.

Rend toxicity has due been seen in patients in whom rend approxagiandine have a compensatory role in the mairtenance of rend perfusion. In these patients, antinistration of an NSAID may cause a dose-dependent reduction in proxagiandin formation and, secondarily, in rend boold from, which may precipitate overt rend decompensation. Patients at greatest risk of this reaction are those with impaired renal function, debytaction, hypovolents. heart failure, there dysfunction, those stating disurders and ACE: inhibitors or ARES, and the elderly. Discontinuation of NSAID therapy is usually followed by The rend effects or inductions may hasten the progression of rend dysfunction in patients with previsiting rend disease. Because some melonicum metabolites are excreted by the kidney, monitor patients for signs of worseing rend function.

Carrect volume status in debytacted or hypovolentic patients, prior to indistating meloxicam Monitor rend function in patients with read to Perusa irrepations report in a function of patients with read to Perusa irrepations report in a function in patients with read to Perusa irrepations report in a function in patients with read to Perusa irrepations regions are of meloxicam for patients.

soming new or increasant new round interesting the contraction (r).

No information is available from controlled clinical studies regarding the use of meloxicam in patients with advanced renal disease. Avoid the use of meloxicam in patients with advanced renal disease unless the benefits are expected to convelogith his is of worsering renal function. If meloxicam is used in patients with advanced renal disease, monitor patients for signs of worsering renal function feee Clinical Pharmacology (212).

Hyperkalemia

Increases in serum potassium concentration, including hyperkalemia, have been reported with use of NSAIDs, even in some patients without read impairment. In patients with normal renal function, these effects have been attributed to a hyporeniement—hypoidosterorism state.

5.7 Anaphylactic Reactions

Meloxicam has been associated with anaphylactic reactions in patients with and without known hypersensitivity to meloxicam and in patients with aspirin-sensitive asthma [see Contraindications (4) and Warnings and Precautions (5.8)].

Seek emergency help if an anaphylactic reaction occurs.

5.8 Exacerbation of Asthma Related to Aspirin Sensitivity

Do Exacersation of Astiman Section to Aspirin Sensitivity

A subpopulation of quarters with astimar way have aspirin-sensitive astima which may include chronic trinosinustis complicated by used polyps; severe, potentially faal bronchospasm; and/or intolerance to apprint and other. SADIS, Because cross-reactivity between aspirina and other SADIs has been reported in such aspirina-sensitive patients, melosiciam is contraindicated in patients with this formof apprints-sensitivity of contraindicated (s). When melosicians used in patients with precisiting authma (without travous aspirin-sensitivity), mostior patients for changes in the signs and symptoms of astimus.

5.9 Serious Skin Reactions

5.3 Serious Skin Reactions
NSAIDs, including meloxicam, can cause serious skin adverse reactions such as exfoliative dermutitis, Seewen-Johnson Syndrome (SIS), and notic epidermal necrolysis (TEN), which can be faul. These statements of the property of the pro

5.10 Premature Closure of Fetal Ductus Arteriosus

Meloxicam may cause premature closure of the fetal ductus arteriosus. Avoid use of NSAIDs, including meloxicam, in pregnant women starting at 30 weeks of gestation (third trimester) [see Use in Specific Population (8.1)].

5.11 Hematologic Toxicity

5.11 Hematologic Toxicity

Amenia has occurred in NSAID-reaed patients. This may be due to occult or gross blood loss, fluid reterrion, or an incompletely described effects on erythropolesis. If a patient reaed with melosicam has any signs or symptoms of aerenia, monitor hemaglohin or hematocirct.

Chromoson of aerenia, monitor hemaglohin or hematocirct.

SAIDs, including melosicam, may increase the risk of bleeding events. Or advanced conditions such as congulation disorders or concominat use of warfarin, other and consuglation. artiplatel agents (e.g., aspiritis, servointin retupulae inhibitors (SRRs) and servointin norepireprine reupulae inhibitors (SRRs) may increase this risk. Montron these patients for signs of theoding leve Thuy interoaction (7).

5.12 Masking of Inflammation and Fever

The pharmacological activity of meloxicam in reducing inflammation, and possibly fever, may diminish the utility of these diagnostic signs in detecting infections.

5.13 Laboratory Monitoring

Because serious GI bleeding, hepatotoxicity, and renal injury can occur without warning symptoms or signs, consider monitoring patients on long-term NSAID treatment with a CBC and a chemistry profile periodically [see Warnings and Percautions (25, 25, 35, 6)].

6 ADVERSE REACTIONS

6 ADVERSE REACTIONS

The following aboves reactions are discussed in greater detail in other sections of the labeling.

Cardiovascular Thrombotic Events (see Board Worming and Wormings and Precountions (5.1))

The following aboves and Perforation (see Board Worming and Wormings and Precountions (5.1))

Heart Electropic (See Wormings and Precountions (5.4))

Heart Failure and Edents (see Wormings and Precountions (5.4))

Heart Failure and Edents (see Wormings and Precountions (5.9))

Anaphylactic Reactions (see Wormings and Precountions (5.9))

Serious Sidn Reactions (see Wormings and Precountions (5.9))

Hematologic Toxicity (see Wormings and Precountions (5.9))

6.1 Clinical Trials Experience

Because clinical trials are conducted under widely varying conditions, adverse reaction rates observed in the clinical trials of a drug cannot be directly compared to rates in the clinical trials of another drug and may not reflect the rates observed in practice.

Outsombritis and Rheumanid Arthritis.

The meloxicam Phase 23 clinical rist database includes 10,122 OA patients and 1012 RA patients researed with meloxicam 15 rangled, 3505 OA patients and 1351 RA patients researed with meloxicam 15 rangled, 3505 OA patients and 1351 RA patients researed with meloxicam 15 patients for at least one year. Approximately 10,500 of these patients were reasted in templacelos- and/or active-comorolled consourhitis intal and 2350 of these patients were treated in the placebos- and/or active-comorolled adverse events in all the active states of the placebos and/or active-comorolled adverse events and the united states are described and the research placebos. The requestly reported adverse events in all treatings (100) access resolution trials related to the research placebos and/or active-comorolled adverse events and the treating (100) access resolution trials.

A 2-week multicener, double-blind, randomized trial was conducted in patients with osteoarthritis of the love or hip to compare the efficacy and safety of meloxicam with placebo and with an active cornol. Two 12-week multicener, double-blind, randomized trials were conducted in patients with rheumatoid arthritis to compare the efficacy and safety of meloxicam with placebo.

Table 1a depicts adverse events that occurred in \geq 2% of the meloxicam treatment groups in a 12-week placebo- and active-controlled osteoarthritis trial.

Table 1b depicts adverse events that occurred in ≥ 2% of the meloxicam treatment groups in two 12-week placebo-controlled rheumatoid arthritis trials.

Table 1a Adverse Events (%) Occurring in ≥ 2% of Meloxicam Patients in a 12-Week Osteoarthritis Placebo- and Active-Controlled Trial

		Meloxicam	Meloxicam	Diclofenac
	Placebo	7.5 mg daily	15 mg daily	100 mg daily
No. of Patients	157	154	156	153
Gastrointestinal	17.2	20.1	17.3	28.1
Abdominal pain	2.5	1.9	2.6	1.3
Diarrhea	3.8	7.8	3.2	9.2
Dyspepsia	4.5	4.5	4.5	6.5
Flatulence	4.5	3.2	3.2	3.9
Nausea	3.2	3.9	3.8	7.2
Body as a Whole				
Accident household	1.9	4.5	3.2	2.6
Edema ¹	2.5	1.9	4.5	3.3
Fall	0.6	2.6	0.0	1.3
Influenza-like symptoms	5.1	4.5	5.8	2.6
Central and Peripheral				
Nervous System				
Dizziness	3.2	2.6	3.8	2.0
Headache	10.2	7.8	8.3	5.9
Respiratory				
Pharyngitis	1.3	0.6	3.2	1.3
Upper respiratory tract infection	1.9	3.2	1.9	3.3
Skin				
Rash ²	2.5	2.6	0.6	2.0

¹WHO preferred terms edema, edema dependent, edema peripheral, and edema legs combined

²WHO preferred terms rash, rash erythematous, and rash maculo-papular combined

Table 1b Adverse Events (%) Occurring in ≥ 2% of Meloxicam Patients in two 12-Week Rheumatoid Arthritis Placebo-Controlled Trials

	Placebo	Meloxicam 7.5 mg daily	Meloxicam 15 mg daily
No. of Patients	469	481	477
Gastrointestinal Disorders	14.1	18.9	16.8
Abdominal pain NOS ²	0.6	2.9	2.3
Dyspeptic signs and symptoms ¹	3.8	5.8	4.0
Nausea ²	2.6	3.3	3.8
General Disorders and Administration Site Conditions			
Influenza-like illness ²	2.1	2.9	2.3
Infection and Infestations			
Upper respiratory tract infections-pathogen class unspecified ¹	4.1	7.0	6.5
Musculoskeletal and Connective Tissue Disorders			
Joint related signs and symptoms 1	1.9	1.5	2.3
Nervous System Disorders			
Headaches NOS ²	6.4	6.4	5.5
Skin and Subcutaneous Tissue Disorders			
Rash NOS ²	1.7	1.0	2.1

¹ MedDRA high level term (preferred terms): dyspeptic signs and symptoms (dyspepsia, dyspepsia aggravated, eructation, gastrointestinal irritation), upper respiratory tract infections-pathogen unspec filed (laryquits NoS, planyquits NoS, simstits NOS), joint related signs and symptoms (arthralgia, arthralgia aggravated, joint crepitation, joint effiction) joint swelling)

 2 MedDRA preferred term: nausea, abdominal pain NOS, influenza-like illness, headaches NOS, and rash NOS

The adverse events that occurred with meloxicam in $\ge 2\%$ of patients treated short-term (4 to 6 weeks) and long-term (6 months) in active-controlled osteoarthritis trials are presented in Table 2.

Table 2 Adverse Events (%) Occurring in ≥ 2% of Meloxicam Patients in 4 to 6 Weeks and 6 Month
Active-Controlled Osteoarthritis Trials

Acus	e-Controlled Os teo	arunnus i riais		
		Controlled Trials		ntrolled Trials
	Meloxicam 7.5 mg daily	Meloxicam 15 mg daily	Meloxicam 7.5 mg daily	Meloxicam 15 mg daily
No. of Patients	8955	256	169	306
Gas trointes tinal	11.8	18.0	26.6	24.2
Abdominal pain	2.7	2.3	4.7	2.9
Constipation	0.8	1.2	1.8	2.6
Diarrhea	1.9	2.7	5.9	2.6
Dyspepsia	3.8	7.4	8.9	9.5
Flatulence	0.5	0.4	3.0	2.6
Nausea	2.4	4.7	4.7	7.2
Vomiting	0.6	0.8	1.8	2.6
Body as a Whole				
Accident household	0.0	0.0	0.6	2.9
Edema ¹	0.6	2.0	2.4	1.6
Pain	0.9	2.0	3.6	5.2
Central and Peripheral Nervous Sy	stem			
Dizziness	1.1	1.6	2.4	2.6
Headache	2.4	2.7	3.6	2.6
Hematologic				
Anemia	0.1	0.0	4.1	2.9
Musculoskeletal				
Arthralgia	0.5	0.0	5.3	1.3
Back pain	0.5	0.4	3.0	0.7
Psychiatric				
Insomnia	0.4	0.0	3.6	1.6
Respiratory				
Coughing	0.2	0.8	2.4	1.0
Upper respiratory tract infection	0.2	0.0	8.3	7.5
Skin				
Pruritus	0.4	1.2	2.4	0.0
Rash ²	0.3	1.2	3.0	1.3
Urinary				
Micturition frequency	0.1	0.4	2.4	1.3
Urinary tract infection	0.3	0.4	4.7	6.9

¹WHO preferred terms edema, edema dependent, edema peripheral, and edema legs combined

²WHO preferred terms rash, rash erythematous, and rash maculo-papular combined

Higher doses of meloxicam (22.5 mg and greater) have been associated with an increased risk of serious GI events; therefore, the daily dose of meloxicam should not exceed 15 mg.

Pauciarticular and Polyarticular Course Juvenile Rheumatoid Arthritis (JRA)

Paucitaricaler and Polyardicaler Course Juvenile Rheumanid Arthritis (JRA)
Three hundred and eighp-seven patients with paucitarical are and polyardicaler course JRA were
exposed to meloxicam with doses ranging from 0.125 to 0.375 mg/lg per day in three clinical trials.
These studies consisted of no 12 week-maldrezere, double-blind, randomized trials (now with a 17 The
sea studies consisted of no 12 week-maldrezere, double-blind, randomized trials (now with a 17 The
salverse events observed in these pediatric studies with meloxicam were similar in nature to the ability
clinical trial experience, although these were differences in frequency. In particular, the following most
common adverse events, abdominal pain, vorating, diarrhes, headache, and pryexia, were more common
the pediatric than in the ability trials. Kash was reported in sevent ("City) patients receiving meloxicam
in the pediatric than in the ability trials. Kash was reported in sevent City of the production of the trials. The adverse events did
not demonstrate an age or gender-specific subgroup effect.

The following is a list of adverse ending reactions occurring in <2% of patients receiving meloxicam in
clinical trials involving approximately 16,200 patients.

Body as a Whole	allergic reaction, face edema, fatigue, fever, hot flushes, malaise, syncope, weight decrease, weight increase
Cardiovas cular	angina pectoris, cardiac failure, hypertension, hypotension, myocardial infarction, vasculitis
Central and Peripheral Nervous Sy	rstem convulsions, paresthesia, tremor, vertigo
Gastrointestinal	colitis, dry mouth, duodenal ulcer, eructation, esophagitis, gastric ulcer, gastritis, gastroesophageal reflux, gastrointestinal hemorrhagic, hemorrhagic duodenal ulcer, hemorrhagic gastric ulcer, intestinal perforation, melena, pancreatitis, perforated duodenal ulcer, perforated duodenal ulcer, stomatitis ulcerative
Heart Rate and Rhythm	arrhythmia, palpitation, tachycardia
Hematologic	leukopenia, purpura, thrombo cytopenia
Liver and Biliary System	ALT increased, AST increased, bilirubinemia, GGT increased, hepatitis
Metabolic and Nutritional	dehydration
Psychiatric	abnormal dreaming, anxiety, appetite increased, confusion, depression, nervousness, sommolence
Respiratory	asthma, bronchospasm, dyspnea
Skin and Appendages	alopecia, angioedema, bullous eruption, photosensitivity reaction, pruritus, sweating increased, urticaria
Special Senses	abnormal vision, conjunctivitis, taste perversion, timitus
Urinary System	albuminuria, BUN increased, creatinine increased, hematuria, renal failure

6.2 Postmarketing Experience

6.2 Post marketing Experience. The following adverse reactions have been identified during post approval use of meloxicam. Because these reactions are reported voluntarily from a population of uncertainties, it is not always possible to reliably estimate their frequency or establish a causal relationship in drug exposure. Decisions about more of the following factors: (1) serioussess of the event, (2) number of reports, or (3) strength of causal relationship to the drug. Adverse reactions reported in worldwide post numbering experience or the literature include: acuse urinary reterion, agranulocytosis; alterations in mood (such as mood elevation), analyship caulor factoris including shock exprises multiform; excitorist wedernation; interestinal application, juncative; liver failure; Stevens-Johnson syndrom; toxic epidernal secrolysis, and infertilly female.

See Table 3 for clinically significant drug interactions with meloxicam. See also Warnings and Precautions (5.2, 5.6, 5.11) and Clinical Pharmacology (12.3).

Table 3 Clinically Significant Drug Interactions with Meloxicam

Drugs that	Interfere with Hemostasis
Clinical Impact:	 Melosicam and anticoagulants such as warfarin have a synegistic effect on bleeding. The concomitant use of melosicam and anticoagulants have an increased risk of serious bleeding compared to the use of either drug alous. Consideration of the control of the control
Intervention:	Monitor patients with concomitant use of meloxicam with anticoagularts (e.g., warfarin), untiplatelet agents (e.g., aspirin), selective serotonin reuptake inhibitors (SSRIs), and serotonin notrepinephrine reuptake inhibitors (SNRIs) for signs of bleeding [see Warnings and Precoutions (5.11)].
Aspirin	
Clinical Impact:	Controlled clinical studies showed that the concomitant use of NSAIDs and analgesic doses of aspirin dose not produce any greater therapeutic effect than the use of NSAIDs alone. In a clinical study, the concomitant use of an NSAID and aspirin was associated wit a significantly increased incidence of Cl adversere actions as compared to use of the NSAID alone [see Wornings and Perceutaions (S.21)].
Intervention:	Concomitant use of meloxicam and low dose aspirin or analgesic doses of aspirin is not generally recommended because of the increased risk of bleeding [see Warnings and Precautions (5.11)]. Meloxicam is not a substitute for low dose aspirin for cardiovascular protection.
ACE Inhibi	tors, Angiotensin Receptor Blockers, or Beta-Blockers
Clinical Impact:	 NSAIDs may diminish the arithypertensive effect of angionemic nonwriting enzyme (ACE) inhibitors, angionemin receptor blockers (ARBs), or beta-blockers (including propramolo). In patiens who are defertly, volume-depleted (including those on dimetic herapy), or hower real impairment, continuistration of an NSAID with ACE inhibitors or ARBs may result in deterioration of real function, including possible acute renal failure. These effects are usually reversible.
Intervention:	During concominant use of meloxicam and ACE inhibitors, ARBs, or bees-blockers, monitor blood possure or ensure the desired blood pressure is obtained. During concominant use of meloxicam and ACE inhibitors or ARBs inquienes who are elderly, volume-redeplened, or have impaired result function monitor for signs of worsering renal function (see Wornings and Preconations (5.6)). When these drugs are administered concominantly, patients should be adequately hydraded. Assess renal function at the beginning of the concominant treatment and periodically thereafter.
Diuretics	
Clinical Impact:	Elizical studies, as well a spot-marketing observations, showed that NSAIDs reduced the nativenetic effect of loop distreties (e.g., furosentée) and thiaziné distreties is some patients. This effect has been articlated to the NSAID inhibition of renal prostaglandin synthesis. However, sudies with froureoutled agents and melosicambare on demonstrates a reduction in natriuretic effect. Furosentée single and multiple does pharmacodynamics and pharmacokinetics are not affected by multiple does or meloxicam.
Intervention:	During concomtant use of meloxicam with diuretics, observe patients for signs of worsening renal function, in addition to assuring diuretic efficacy including untihypertensive effects [see Warnings and Precautions (5.6)].
Lithium	
Clinical Impact: Intervention:	NSAIDs have produced elevations in plasma lithium levels and reductions in real lithium learance. The men minimum lithium concentration in creased 15%, and the real clearanc decreased by approximately 20%. This effect has been attributed to NSAID inhibition of renal prostaglandin synthesis [see Clinical Pharmacology (12.3)]. During concornitant use of meloxicam and lithium, monitor patients for signs of lithium
Methotrexa	toxicity.
Clinical Impact:	Concomitant use of NSAIDs and methotrexate may increase the risk for methotrexate toxicity (e.g., neutropenia, thrombocytopenia, renal dysfunction).

Intervention:	puring concomitant use of metoxicant and memotrexate, monitor patients for memotrexate toxicity.
Cyclospori	ne
Clinical Impact:	Concomitant use of meloxicam and cyclosporine may increase cyclosporine's nephrotoxicity.
	During concomitant use of meloxicam and cyclosporine, monitor patients for signs of worsening renal function.
NSAIDsand	Salicylates
	Concomitant use of meloxicam with other NSAIDs or salicylates (e.g., diflunisal, salsalate increases the risk of GI toxicity, with little or no increase in efficacy [see Warnings and Precautions (5.2)].
Intervention:	The concomitant use of meloxicam with other NSAIDs or salicylates is not recommended.
Pemetrexec	i
	Concomitant use of meloxicam and pemetrexed may increase the risk of pemetrexed- associated myelosuppression, renal, and GI toxicity (see the pemetrexed prescribing information).
Intervention:	During concomitant use of meloxicam and pennetrexed, inpatients with renal impairment whose creatifine clearance ranges from 45 to 79 mL/min, monitor for myelosuppression, renal and GI toxicity. Patients taking meloxicam should interrupt dosing for at least five days before, the day of, and two days following pennetrexed administration. In patients with creating clearance below 45 mL/min, the concomitant administration of
	meloxicam with pemetrexed is not recommended.
	•

8 USE IN SPECIFIC POPULATIONS

8.1 Pregnancy

Risk Summary

Use of NSAIDs, including meloxicam, during the third trimester of pregnancy increases the risk of premature closure of the fetal ductus arteriosus. Avoid use of NSAIDs, including meloxicam, in pregnant women starting at 30 weeks of gestation (third trimester) lese Warnings and Precaution (5.10). There are no adequate and well-controlled studies of meloxicam in pregnant women. Data from observational studies regarding potential enhyrofetal risks of NSAID use in women in the first or second trimesters of pregnancy are inconclusive. In the general U.S. population, all clinically recognized pregnancies, regardless of drug exposure, have a background rate of 2-4% for major and control of the control of granting enders of the control of the control of the control of granting enders of the control of the control of the control of granting enders of the control of the control of the control of granting enders of the control of the

Based on arimal data, prostaglandins have been shown to have an important role in endometrial vascular permeability, blastocyst implantation, and decidualization in animal studies, administration of prostaglandin symbels inhibitors, such as meloxicam, resulted in increased pre- and post-implantation

Clinical Considerations

Labor or Delivery

There are no studies on the effects of meloxicam during labor or delivery. In animal studies, NSAIDs, including meloxicam, inhibit prostaglandin synthesis, cause delayed parturition, and increase the incidence of stillbirth.

Data Animal Data

Memoritam was not teratogenic when administered to pregnant rats during feed organogenesis at oral does up to a mpkgulay (2.6-fold greater than the MRID of 15 mg of relocatem based on BSA or the memoritam of the memoritam of

Oral administration of meloxicam to pregnant rats during late gestation through lactation increased the incidence of dystocia, delayed parturition, and decreased offspring survival at meloxicam doses of 0.125 mg/kg/day or greater (0.08-times MRHD based on BSA comparison).

8.2 Lactation

Risk Summary

There are no human data available on whether meloxicam is present in human milk, or on the effects breastfed infants, or on milk production. The developmental and health benefits of breastfeeding she considered along with the mother's clinical need for meloxicam and any potential adverse effect the breastfed infant from the meloxicam or from the underlying maternal condition.

Data
Animal data
Meloxicam was present in the milk of lactuding rats at concentrations higher than those in plasma.

Infertility

Femines
Based on the mechanism of action, the use of prostaglandin-mediated NSAIDs, including meloxicam, may delay or prevent rupture of ovarian follicles, which has been associated with reversible identifility in some women. Published aximal studies have shown that admissration of prostaglandin synthesis inhibitors has the potential to disrupt prostaglandin-mediated follicular nupture required for ovalution. Small studies in women traeued with NSAIDs have also shown are eversible delay in ovalution. Consider withdrawal of NSAIDs, including meloxicam, in women who have difficulties correiving or who are undergoing investigation of infertility.

8.4 Pediatric Use

The safety and effectiveness of meloxicam in pediatric JRA patients from 2 to 17 years of age has been evaluated in three clinical trials [see Dosage and Administration (2.3), Adverse Reactions (6.1), and Clinical Studies (14.2)].

8.5 Geriatric Use

Elderly patients, compared to younger patients, are at greater risk for NSAID-associated serious cardiovascular, gastroiterstimal, and/or renal adverse reactions. If the anticipate benefit for the elderly patient outweighs these potential risks, start dosing at the low end of the dosing range, and monitor patients for adverse effects [see Warnings and Precountors (5.1, 5.2, 5.3, 5.6, 5.13)].

8.6 Hepatic Impairment

No dose adjustment is necessary in patients with mild to moderate hepatic impairment. Patients with severe hepatic impairment have not been adequately studied. Since meloxican is significantly metabolized in the liver and hepatooticity may occur, use meloxican with caution in patients with hepatic impairment [see Warnings and Precautions (5.3) and Clinical Pharmacology (12.3)].

No dose adjustment is necessary in patients with mild to moderate renal impairment. Patients with severe renal impairment have not been studied. The use of meloxicam in subjects with severe renal impairment is not recommended. In patients on bemodialysis, meloxicam should not exceed 7.5 mg per day. Meloxicam is not did at patients of the patients o

10 OVERDOSAGE

Symptoms following acute NSAID overdosages have been typically limited to lethargy, drowsiness, namesa, vonting, and epipastric pain, which have been generally reversible with supportive care. Gastroinestanal bleeding has occurred. Hypertension, acute renal failure, respiratory depression, and come have occurred, but were rare few dwinning and Precurion (6.1, 2.5, 2.5, 4.5). There are no specific antidoses. Consider emesis and/or activated charco (60 to 100 grams in adults, 10 2 grams per kg of body weight in pediatric patiens) and/or osmotic calaratic in symptomatic patiens seen within from hours of figuration or in justices with a large overdosage (5 to 10 times the recumented dosage) for hours of regional intradion of urine, hemodialysis, or hemoperino many not be useful due to high Protein hinding.

protein initials, There is limited experience with meloxicam overdosage. Cholestyramine is known to accelerate the clearance of meloxicam. Accelerated removal of meloxicam by 4 g oral doses of cholestyramine given three times a day was demonstrated in a clinical trial. Administration of cholestyramine may be useful following an overdosage.

For additional information about overdosage treatment, call a poison control center (1-800-222-1222).

11 DESCRIPTION

Meloxicam is a nonsteroidal anti-inflammatory drug (NSAID). Each tablet cortains 7.5 mg or 15 mg meloxicam, USP for oral administration, Meloxicam is chemically designated as 4-hydroxy-2-methyl-14-G-melyl-2-flanzabyly-3-11.- Deteroidaziare 2-carboxanded 1-1-dioxide. The molecular weight is 351.4, its empirical formula is C₁₄H₁₃W₂O₄S₂ and it has the following structural formula

Meloxicam is a pale yellow solid, practically insoluble in water, with higher solubility observed in strong acids and bases. It is very slightly soluble in methanol. Meloxicam has an apparent partition coefficient (tog Phys. 9 - 0.11 nn-controller ptf 7.4. Meloxicam has pick values of 1.1 and 4.2. Meloxicam is available as a tablet for oral administration containing 7.5 mg or 15 ng meloxicam, USP. The inactive ingerdenis in meloxicam labets, USP include sizerth, nicrocrystalline cellulose, lactose arhydrous, colloidal silicon dioxide, sodium citrate dihydrate, magnesium stearate.

12 CLINICAL PHARMACOLOGY

Meloxicam has analgesic, anti-inflammatory, and antipyretic properties

The mechanism of action of meloxicam, like that of other NSAIDs, is not completely understood but involves inhibition of cyclooxygenase (COX-1 and COX-2).

Meloxicam is a potent irhibitor of prostaglardin synthesis in vitro. Meloxicam concentrations reach during therapy have produced in vivo effects. Prostaglardin servitize afferent renews and potentiat action of bradybinin in inducing pain in animal models. Postaglardins are mediators of inflammation Because meloxicam is an inhibitor of prostaglardin synthesis, its mode of action may be due to a decrease of prostaglardins in peripheral dissues.

12.3 Pharmacokinetics

12.3 Pharmacokinetics

Absorption

The absolute bloavailability of meloxicam capsules was 89% following a single oral dose of 30 mg compared win 30 mg IV bolus injection. Following single immereusis doses, dose-proportional pharmacokinetics were shown in the range of 5 mg to 60 mg. After multiple oral doses the 0.5 mg. After multiple oral doses the 0.5 mg. Mean Capac was achieved within four to five hours after a 7.5 mg meloxicam ablet was taken under fased conditions, indicating a periological drug absorption. With multiple dosing, seadly-state concentrations were reached by Day 5. A second meloxicam concentration peak occurs around 12 to 1 hours post-dose suggesting billary recycling.

***Astronomical desired and a season of the period of the per

Table 4 Single Dose and Steady-State Pharmacokinetic Parameters for Oral 7.5 mg and 15 mg Meloxicam (Mean and % CV)

		Steady State			Single Dose	
		Healthy male adults (Fed)2	Elderly males (Fed)2	Elderly females (Fed)2	Renal failure (Fasted)	Hepatic insufficiency (Fasted)
(%CV)						
		7.5 mg ³ tablets	15 mg capsules	15 mg capsules	15 mg capsules	15 mg capsules
N		18	5	8	12	12
Cmax	[µg/mL]	1.05 (20)	2.3 (59)	3.2 (24)	0.59 (36)	0.84 (29)
t _{max}	[h]	4.9 (8)	5 (12)	6 (27)	4 (65)	10 (87)
t _{1/2}	[h]	20.1 (29)	21 (34)	24 (34)	18 (46)	16 (29)
CL/f	[mL/min]	8.8 (29)	9.9 (76)	5.1 (22)	19 (43)	11 (44)
V ₂ /f ⁴	[L]	14.7 (32)	15 (42)	10 (30)	26 (44)	14 (29)

eter values in the table are from various studies

3Meloxicam tablets

4Vz/f =Dose/ (AUC•Kel

Food and Antacid Effects

From and AMERICAE EJECTS.

Administration of meloxicam capsules following a high fat breakfast (75 g of fat) resulted in mean peak drug levels (i.e., C_{max}) being increased by approximately 22% while the extert of absorption (AUC) was unchanged. The time to maximum concentration (T_{max}) was achieved between 5 and 6 bours. In a similar high fat meal, while mean T_{max}, values were increased to approximately 7 bours. No horizon a pharmacolibate in terraction was detected with concentrate administration of ancides. Based on the results, neclease concentrate administration of articals.

Distribution

LISERGIAGOS

The mean volume of distribution (Vss) of meloxican is approximately 10 L. Meloxican is -99.4% borned to human plasma proteins (primarily albumin) within the therapeutic doser range. The fraction of the burner plasma proteins (primarily albumin) within the therapeutic doser range. The fraction of the burner plasma plasma proteins (primarily albumin) and the primarily albumin plasma plas

Meloxicam concentrations in synovial fluid, after a single oral dose, range from 40% to 50% of those in plasma. The free fraction in synovial fluid is 2.5 times higher than in plasma, due to the lower albumin content in synovial fluid as compared to plasma. The significance of this penetration is unknown.

Meloxicam is extensively metabolized in the liver. Meloxicam metabolites include 5-carboxy meloxicam (60% of dose), from 4-450 mediated metabolism formed by oxidation of an intermediate metabolism 5-dose), which is also excrete an else-servent (9% of dose), in vitro studies indicate that CVPZC9 (cytochrone P450 metabolizing enyme) plays an important role in this metabolic garbony with a nitror contribution of the CVP3A4 isopyme. Patters: previousless extivity is probably responsible for the other two metabolites which account for 16% and 4% of the administered dose, respectively. All the four metabolies are not known to have any in vto pharmoological extivity.

Exerction Meloxicame excretion is predominantly in the form of metabolites, and occurs to equal extents in the urine and feese. Only traces of the unchanged parent compound are excreted in the urine (0.2%) and feese (1.0%). The extent of the urinary excretion was confirmed for unlabeled multiple 7.5 mg doses: 0.5%, 6%, and 13% of the dose were found in urine in the form of meloxicam, and the 5-bydroxymethyl and 5'c-andoxy metabolites, respectively. There is significant unility and/ore meral secretion of the drug. This was demonstrated when oral administration of cholestyramize following a single IV dose of meloxicam decreased the AUC of meloxicam decreased by the significant of the contraction of the meloxicam decreased the AUC of meloxicam decreased the AUC

The mean elimination half-life $(\mathbf{1}_{1/2})$ ranges from 15 hours to 20 hours. The elimination half-life is constant across dose levels indicating linear metabolism within the therapeutic dose range, Plasma clearance ranges from 7 to 9 m2/min.

Special Populations

Pediatric

Pediatric.
After single (0.25 mg/kg) dose administration and after achieving steady state (0.375 mg/kg) (day), there was a general trend of approximately 30% lower exposure in younger patiens (2 to 6 years old) as compared to the older patients (7 to 16 years old). The older patients Mat nellocation exposures similar (single dose) or slightly reduced (steady state) to those in the adult patients, when using AUC values normalized to a dose of 0.25 mg/kg (see Dosage and Administration C.4.9). The nellocation are man (50) elimitation balf-life was 15.2 (10.1) and 13.0 hours (3.0) for the 2 to 6 year old patients, and 7 to 16 year old patients, and 7 to 16 year old patients, and 7 to 16 year old patients.

In a covariate analysis, utilizing population pharmacokinetics body-weight, but not age, was the single predictive covariate for differences in the meloxicam apparent or al plasma clearance. The body-weight normalized apparent or al clearance values were adequate predictors of meloxicam exposure in pediat patients.

The pharmacokinetics of meloxicam in pediatric patients under 2 years of age have not been investigated.

Geriatric

Germin: Ellerly males (2: 65 years of age) exhibited meloxicam plasma concentrations and steady-state pharmacolameters similar to young males. Elderly formaties (c 65 years of age) had a 47% higher AUC₁₈ to make the concentration in the concentration in the concentration in the elderly femiles, the adverse event profile was comparable for both elderly patient populations. A smaller free fraction was found in elderly femiles, then it in comparison to elderly male aptients.

Noung femiles exhibited slightly lower plasma concentrations relative to young males. After single doses of 7.5 mg meloxicam, the mean elimination half-life was 19.5 hours for the femile group as compared to 23.4 hours for the mile group. At steady stage, the data were similar (17.9 hours vs.) thours). This pharmacolinetic difference due to gender is likely to be of little clinical importance. There was linearity of pharmacolinetics and to appreciable difference in the Enga or T_{max} cross can apply the plant of the

--Hepatic Impairment

reposit impairment
Following a sigule 15 mg dose of meloxicam there was no marked difference in plasma concentration
in patients with mild (Child-Pugh Class I) no moderate (Child-Pugh Class II) heparic impairment
in patients with mild of the patient in patients and in the patient in patients in the patient in patients in the patient is moderate hepatic impairment. Patients with mild no moderate hepatic impairment, Patients with mild no moderate hepatic impairment. Patients with severe hepatic impairment, Patients with severe hepatic impairment, Patients with severe hepatic impairment, Patients with severe hepatic impairment. Patients with mild no moderate hepatic impairment, Patients with severe hepatic impairment (Child-Pugh Class III) have not been adequately studied [see Wornings and Precontators (2.5) and the in Specific Populations (8.6)].

Renal Impairment

Renal Impairment
Metolicam pharmacokinetics have been investigated in subjects with mild and moderate renal
impairment. Total drug plasma concentrations of meloxicam decreased and total clearance of meloxica
increased with the degree of renal impairment while free AUC values were similar in all groups. The
higher meloxicam clearance in subjects with renal impairment may be due to increased fraction of
unbound meloxicam which is available for hepatic metabolism and subsequent excretion. No dosage
adjustment is necessary in patients with mild to moderate renal impairment. Patients with severe renal
impairments have not been adequately studied. The use of molecular mild subject with severe renal
impairments have not been adequately studied. The use of molecular mild volume to the subject of the control of th Hemodialvsis

Hemodupus;

Following a single dose of meloxicam, the free C_{max} plasms concentrations were higher in patients with renal failure on chronic hemodulysis (1% free fraction) in comparisons bealthy volumers (0.2% free fraction); the contrast of majorams therefore, additional refer fraction, Hemodulysis old not love the total due goine count aion in plasms, therefore, additional (2.4) and the free fraction). Hemodulysis old not love the total due to concentration in plasms, therefore, additional renal fraction of the fracti

Apprin: When NSAIDs are administered with aspirin, the protein binding of NSAIDs were reduced, although the clearance of free NSAID was not altered, when meloxican is administered with a spainting 100m agric melines dual to place time sed ality to heave, it tended to increase the AUC (10%) and Cmax (24%) of meloxican. The clinical significance of this interaction is not hown. See Table 3 for clinical significance of this interaction is not hown. See Table 3 for the Collical significance and requirements on SNAIDs with aspiring be Drug Interactions (7)].

Concession signification of the metastorist of standard states with separate significantly increased the clear melosicam by 50%. This resulted in a decrease in ILI2, from 19.2 hours to 12.5 hours, and a 35% reduction in AUC. This suggests the existence of a recirculation pathway for melosicam in the gastrointestinal tract. The clinical relevance of this interaction has not been established.

Conventioner: Concombant administration of 200 mg cimeridine four times daily did not alter the single-dose pharmacokinetics of 30 mg melociscum.
Diposon: Melossicum 15 mg once daily for 7 days did not alter the plasma concentration profile of digoxin after jPa-expldigoxin administration for 7 days at clinical doses. In wro testing found no protein binding drug interaction between digoxin and meloxicum. Lithium: In a study conducted in healthy subjects, mean pre-dose lithium concentration and AUC were increased by 21% in subjects receiving lithium doses ranging from 804 to 1072 mg twice daily with meloxicam 15 mg QD every day as compared to subjects receiving lithium alone [see Drug Interaction]

(17).

Methorzone: A study in 13 rheumatoid arthritis (RA) patients evaluated the effects of multiple doses of meloxicam on the pharmocokinetics of methorexate taken once weekly. Meloxicam did not have a significant effect on the pharmocokinetics of single doses of methorexate. In winto, mehorexate did not displace meloxicam from its human serum binding sites [see Drug Interactions (77)].

aspace merooccam trom its human serum binding sites [see Drug Interactions (7)]. Worfprist: The effect of melocalcam on the anticoagaluar effect of warfain was studied in a group of healthy subjects receiving daily doses of warfain that produced an INR (International Normalized Ratio) between 12 and 18. In these subjects, molecisca and the avareage articoagaluar effect of warfain as determined by prothrombin time. However, one subject showed an increase in INR from 15 to 2 CL. Claution should be used where admixtainering melosicam with warfain since patients on warfain may experience changes in INR and an increased risk of bleeding complications when a new medications is introduced [see Drug Interactions (7)].

²not under high fat conditions

13 NONCLINICAL TOXICOLOGY

13.1 Carcinogenesis, Mutagenesis, Impairment of Fertility

Garcinogenesis
There was no increase intumor incidence in long-term carcinogenicity studies in rats (104 ween mixed 99 weeks) atmistered meloxicam at oral doses up to 0.8 mg/kg/day in rats and up to 8.0 mg/kg/day in intee (up to 0.5 - and 2.6-fold, respectively, the maximum recommended human dos [MRHD] of 15 mg/day meloxicam based on body surface area [BSA] comparison).

Meloxicam was not mutagenic in an Ames assay, or clastogenic in a chromosome aberration assay with human lymphocytes and an in vivo micronucleus test in mouse bone marrow.

Impairment of Fertility

Meloxicam did not impair male and female fertility in rats at oral doses up to 9 mg/kg/day in males and 5 mg/kg/day in females (up to 5.8- and 3.2- greater, respectively, than the MRHD based on BSA comparison).

14.1 Osteoarthritis and Rheumatoid Arthritis

14. Useroantities and Rheimatold Arthritis
The use of induction in the insures or it the sign and symptoms of oscenshritis of the lare and hijs was evaluated in a Leweek, doubtle-blind, committed trial. Medication (7.37 mg, 7 mg, and 15 mg, dully) was compared to placebo. The flour primary endpoins were investigators; global assessment, patient global assessment, and total WOMAC score (a self-administered questionnaire addressing pain, function and stiffness). Patients on melociation? The global assessment patient global assessment and stiffness) patients on melociation? The global assessment patient patients and stiffness in the patients of the self-administered questionnaire addressing patin, function and stiffness). Patients on melociation? The global assessment patients are supported to the patients of the self-administered patients and the patients of the self-administered patients.

The use of meloxicam for the management of signs and symptoms of osteoarthritis was evaluated in sixth oduble-billind, active-controlled trials outside the U.S. ranging from a weeks to 6 months' duration. In these trials, the efficacy of meloxicam, in doose of 7.5 mg/digs and 15 mg/day, was comparable to piroxicam 20 mg/day and diclofense SR 100 mg/day and consistent with the efficacy seen in the U.S. trial.

trial. The use of meloxicam for the treatment of the signs and symptoms of rheumatoid arthritis was evaluated in a 12-week, double-blind, convolled multinational trial. Meloxicam (7.5 mg, 15 mg, and 22.5 mg daily) was compared in placebo. The primary exploit in this saday was the ACQD2 response rate, a series of the series of the primary exploit in the saday was the ACQD2 response rate, a series of the se

14.2 Juvenile Rheumatoid Arthritis (JRA) Pauciarticular and Polvarticular Course

14.2 Invenile Rheumatold Arthritis (IRA) Panicarticular and Polyarticular Course
The use of meloxican for the teament of the signs and symptoms of panicarticular or polyarticular
course Juvenile Rheumatold Arthritis in patients? 2 years of age and older was evaluated in two 12week, double-balling partiller-ama, rective-controlled trials.

Both studies included three arms: supposen and two doses of meloxicam, la both studies, meloxicam
dosting leagan at 0.15 mgd/agdy (7 for goarciuming) or 25 mgd/agd/s (15 mg arximing), and apposen
dosting began at 10 mg/kg/diny. One study used these doses throughout the 12-week dosting period, while
the other irroppropriated stitution after at weeks to doses of 0.25 mg/kg/day and 0.375 mg/kg/day (2.25 mg
maximum) of meloxicam and 15 mg/kg/day of naprosen.

The efficacy analysis used the AGR Pediatric 30 responder definition, a composite of parent and investigator assessments, courts of active joins and joins with limited range of motion, and erythrocyte sedimentation rate. The proportion of responders were similar in all three groups in both studies, and no difference was observed between the meloxicam dose groups.

16 HOW SUPPLIED/STORAGE AND HANDLING

Meloxicam tablets, USP 7.5 mg are yellow coloured, round, biconvex tablets, debossed with "158" on one side and "C" on the other.

Meloxicam tablets, USP 15 mg are yellow coloured, round, flat bevelled tablets, debossed with "CIPLA" on one side and "159" on the other.

Meloxicam tables, USP 7.5 mg are available as follows:
NDC 0615-8040-39

NDC 0615-8040-30

Unit dose boxes of 30

Meloxicam tablets, USP 15 mg are available as follows: NDC 0615-8124-39 Blistercards of 30

Store at 20° to 25° C (68° to 77° F) [See USP Controlled Room Temperature.] Keep meloxicam tablets in a dry place

Dispense tablets in a tight container.

Keep this and all medications out of the reach of children.

17 PATIENT COUNSELING INFORMATION

Advise the patient to read the FDA-approved patient labelling (Medication Guide) that accompanies each prescription dispensed.

Inform patients, families or their caregivers of the following information before initiating therapy with an NSAID and periodically during the course of ongoing therapy.

Cardiovascular Thrombotic Events

Latinovascular Linomonic Evense.

Advise patiers to be alert for the symptoms of cardiovascular thrombotic evens, including chest pain, shortness of breath, weakness, or slurring of speech, and to report any of these symptoms to their beathcare provider immediately [see Woringing and Precourtions (5.1)].

Gastrointestinal Bleeding, Ulceration, and Perforation

Advise patients to report symptoms of ulceration and bleeding, including epigastric pain, dyspepsia, melena, and hematemesis to their healthcare provider. In the setting of concomitant use of low-dose aspirin for cardiar prophylaxis, inform patients of the increased risk for the signs and symptoms of bleeding [see Warnings and Precountions (5.2)].

Hepatotoxicity

Inform patients of the warring signs and symptoms of hepatotoxicity (e.g., nausea, fatigue, lethargy, diarrhea, pruritus, jaundice, right upper quadrant tenderness, and 'flu-like' symptoms). If these occu instruct patients to stop meloxicam and seek immediate medical therapy (see Warnings and Precaution (5.3)).

Heart Failure and Edema

Advise patients to be alert for the symptoms of congestive heart failure including shortness of breath, unexplained weight gain, or edema and to contact their healthcare provider if such symptoms occur [see Warnings and Percautions (5.5)].

Warming and Precusions (2-3):
Analysiacitic Reactions
Inform patients of the signs of an anaphylacit creaction (e.g., difficulty breathing, swelling of the face
or thread, Instruct patients to seek immediate emergency help if these occur [see Contraindications (4)]
and Warmings and Precusions (5-7)).

Serious Skin Reactions

Advise patients to stop meloxicam immediately if they develop any type of rash and to contact their healthcare provider as soon as possible [see Warnings and Precautions (5.9)].

Female Fertility

Advise females of reproductive potential who desire pregnancy that NSAIDs, including meloxicam, may be associated with a reversible delay in ovulation [see Use in Specific Populations (8.3)].

Fetal Toxicity

Inform pregnant women to avoid use of meloxicam and other NSAIDs starting at 30 weeks gestation because of the risk of the premuture closing of the fetal ductus arteriosus [see Warnings and Precountions (5.1) and tole in Specific Populations (6.1)].

Avoid Concomitant Use of NSAIDs
Inform patients that the concomitant use of meloxicam with other NSAIDs or salicytates (e.g., diffunisal, saksalae) is not recommended due to the increased risk of gastrointestinal tuxicity, and little or no increase in efficacy [see Warnings and Precountions 6.2] and Drug Interactions (7)]. Altert patients that NSAIDs my be present in "over the counter" indications for treatment of colis, lever, or incomita.

NSAIDs may be present in over use counter insurances for deament of counts, lever, or first Use of NSAIDs and Low-Dose Aspirin Inform patients not to use low-dose aspirin concomitantly with meloxicam until they talk to their healthcare provider [see Drug Interactions (7)].

Cipla, Ltd.,

Kurkumbh, India

Manufactured for: Cipla USA, Inc

Revised: 5/2017 21062344

Medication Guide for Nonsteroidal Anti-inflammatory Drugs (NSAIDs)

What is the most important information I should know about medicines called Nonsteroidal Anti-inflammatory Drugs (NSAIDs)?

NAMES can case serious side effects, including:

• Increased risk of a heart attack or stroke that can lead to death. This risk may happen early in teramer and may increase:

• with increasing doses of NSAIDs
• with longer use of NSAIDs

Do not take NSAIDs right before or after a heart surgery called a "coronary artery bypass graft (CABG)."

Avoid taking NSAIDs after a recent heart attack, unless your healthcare provider tells you to.
You may have an increased risk of another heart attack if you take NSAIDs after a recent heart attack.

Increased risk of bleeding, ulcers, and tears (perforation) of the esophagus (tube leading from the mouth to the stomach), stomach and intestines:

- from the mouth to the stomach), stomach and intestines:

 anytine dring use

 without warning symptoms

 that may came do make or bleeding increases with:

 The risk of getting an utler or bleeding increases with:

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 page this may of someth alicers, or stomach or inestinal bleeding, with use of NSAIDs

 increasing doses of NSAIDs

 increasing doses of NSAIDs

 or mixing doctors

 drinking alcohol

 o other age

 of drinking alcohol

 o other age

 shaved liver disease

 bleeding problems

What are NSAIDs?

NSAIDs are used to treat pain and redness, swelling, and heat (inflammation) from medical conditions such as different types of arthritis, menstrual cramps, and other types of short-term pain.

Who should not take NSAIDs?

Before taking NSAIDS, tell your healthcare provider about all of your medical conditions, including if you: have liver or kidney problems. have asthma

- have astimuse

 are pregnar or plan to become pregnart. Talk to your healthcare provider if you are considering
 taking NSAIDs during pregnarcy. You should not take NSAIDs after 29 weeks of pregnancy.

 are breastfeeding or plan to breast feed.

Tell your healthcare provider about all of the medicines you take, including prescription or over-the-counter medicines, vitamins or herbal supplements, NSAIDs and some other medicines can interact with each other and cause serious side effects. Do not start taking any new medicine without talking to your healthcare provider first.

What are the possible side effects of NSAIDs?

What are the possible side effects of NSAIDs?

NSAIDs can cause serious side effects, including:

See "What is the most important information I should know about medicines called Nonsteroidal
Anti-inflammatory Drugs (NSAIDs)?

• new or worse high blood pressure
• liver problems including liver talure
• liver problems including liver talure
• liver problems colds fine emission
• low red blood cells fine emission
• life-the-easiering skin reactions
• life-the-easiering alterigic reactions
• Other side effects of NSAIDs include: stornich pain, constipation, diarrhea, gas, hearthurn, nausea, vonting, and offiziness.

- Get emergency help right away if you get any of the following symptoms:

 shortness of breath or trouble breathing

Shortness of access of the state of your body weakness in one part or side of your body slurred speech swelling of the face or throat

Stop taking your NSAID and call your healthcare provider right away if you get any of the following symptoms:

- nausea more tired or weaker than usual diarrhea

- tustrines
 itching
 your skin or eyes look yellow
 indigestion or stomach pain
 flu-like symptoms
 there is blood in your bowel movement or it is black
- vomit blood there is blood in your bowel movement or it is black and sticky like tar

- there is blood in your power increases unusual weight gain skin rash or blisters with fever swelling of the arms, legs, hands and feet

If you take too much of your NSAID, call your healthcare provider or get medical help right away.

These are not all the possible side effects of NSAIDs. For more information, ask your healtl provider or pharmacist about NSAIDs.

Call your doctor for medical advice about side effects. You may report side effects to FDA at 1-800-FDA-1088.

- Other information about NSAIDs:

 A spirin is an NSAID but it does not increase the chance of a heart attack. Aspirin can cause bleeding in the brain, someth, and intestines. Aspirin can also cause ulcers in the stomach and intestines.

 Some NSAIDs are sold in lower doese without a prescription (over-the-counter). Talk to your healthcare provider before using over-the-counter NSAIDs for more than the provider before using over-the-counter NSAIDs for more than the provider than the provider of the provider before using over-the-counter NSAIDs for more than the provider before using over-the-counter NSAIDs for more than the provider of the provider

General information about the safe and effective use of NSAIDs

Leneral information about the safe and effective use of NSAIDs.

Medicines are senterimes prescribed for purposes other than hose lease in a Medication Guide. Do not use NSAIDs for a condition for which it was not prescribed. Do not give NSAIDs in other people, event in the bare the same symptom that you have. It may harm then.

If you would like more information about NSAIDs, gail with up wite heldicare provider. You can ask your pharmacts or healthcare provider for information about NSAIDs that is written for health professionals.

This Medication Guide has been approved by the U.S. Food and Drug Administration

Manufactured by:

Cipla Ltd,

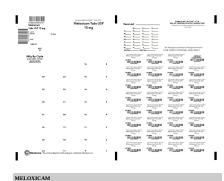
Kurkumbh, India Manufactured for:

Cipla USA, Inc.

1560 Sawgrass Corporate Par Suite 130, Surrise, FL 33323 Revised: 5/2017

PRINCIPAL DISPLAY PANEL - 7.5MG





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n									

MELOXICAM						
meloxicam tablet						
Product Informa	tion					
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					5	trength
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Labeler - NCS HealthCare of KY, Inc dba Vangard Labs (050052943)
 Establishment
 Address
 IDFII
 Business Operations

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Revised: 6/2018

NCS HealthCare of KY, Inc dba Vangard Labs